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## RAW SEQUENCE LISTING

DATE: 03/07/2002

PATENT APPLICATION: US/09/957,483

TIME: 13:55:25

Input Set : D:\30062-20078.txt

Output Set: N:\CRF3\03072002\I957483.raw

4 <110> APPLICANT: Arslanian, Robert  
 5 Ashley, Gary  
 6 Frykman, Scott  
 7 Julien, Bryan  
 8 Katz, Leonard  
 9 Khosla, Chaitan  
 10 Lau, Janice  
 11 Licari, Peter  
 12 Regentin, Rika  
 13 Santi, Daniel  
 14 Tang, Li  
 16 <120> TITLE OF INVENTION: PRODUCTION OF POLYKETIDES  
 19 <130> FILE REFERENCE: 30062-20078.00  
 21 <140> CURRENT APPLICATION NUMBER: US 09/957,483  
 22 <141> CURRENT FILING DATE: 2001-09-19  
 24 <150> PRIOR APPLICATION NUMBER: PCT/US 01/13793  
 25 <151> PRIOR FILING DATE: 2001-04-26  
 27 <150> PRIOR APPLICATION NUMBER: US 09/560,367  
 28 <151> PRIOR FILING DATE: 2000-04-28  
 30 <150> PRIOR APPLICATION NUMBER: US 09/825,856  
 31 <151> PRIOR FILING DATE: 2001-04-03  
 33 <150> PRIOR APPLICATION NUMBER: US 60/232,696  
 34 <151> PRIOR FILING DATE: 2000-09-14  
 36 <150> PRIOR APPLICATION NUMBER: US 60/257,517  
 37 <151> PRIOR FILING DATE: 2000-12-21  
 39 <150> PRIOR APPLICATION NUMBER: US 60/269,020  
 40 <151> PRIOR FILING DATE: 2001-02-13  
 42 <160> NUMBER OF SEQ ID NOS: 62  
 44 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 46 <210> SEQ ID NO: 1  
 47 <211> LENGTH: 30  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Artificial Sequence  
 51 <220> FEATURE:  
 52 <223> OTHER INFORMATION: Primer Seq1  
 54 <400> SEQUENCE: 1  
 55 agcggataac aatttcacac aggaaacagc  
 57 <210> SEQ ID NO: 2  
 58 <211> LENGTH: 29  
 59 <212> TYPE: DNA  
 60 <213> ORGANISM: Artificial Sequence  
 62 <220> FEATURE:  
 63 <223> OTHER INFORMATION: Primer Mxpill

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65 <400> SEQUENCE: 2
66 ttaattaaga gaaggttgca acgggggggc 29
68 <210> SEQ ID NO: 3
69 <211> LENGTH: 848
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Sequence of the pila promoter
76 <400> SEQUENCE: 3
77 cgacgcaggt gaagctgctt cgtgtgctcc aggagcggaa ggtgaagccg gtcggcagcg 60
78 ccgcggagat tcccttccag gcgcgtgtca tcgcggcaac gaaccggcgg ctccaagccg 120
79 aagtaaaggc cggacgcttt cgtgaggacc tcttctaccg gctcaacgtc atcacgttgg 180
80 agctgcctcc actgcgcgag cgttccggcg acgtgtcggt gctggcgaac tacttcctgt 240
81 ccagactgtc ggaggagttg gggcgacccg gtctgcgttt ctcccccgag aactggggc 300
82 tattggagcg ctatcccttc ccaggcaacg tcgggcagct gcagaacatg gtggagcggg 360
83 ccgcgacctc gtcggattca gacctcctgg ggcctccac gcttccacc gcagtgcggg 420
84 gcgatacaga ccccgccgtg cgtcccgctg agggcagtg gccagggctg gtggcgggct 480
85 tcaacctgga gcggcatctc gacgacagcg agcggcgcta tctcgtcgcg gcgatgaagc 540
86 aggccggggg cgtgaagacc cgtgctgcgg agttgctggg cctttcgttc cgttcattcc 600
87 gctaccggtt ggccaagcat gggctgacgg atgacttggg gcccgggagc gcttcggatg 660
88 cgtaggctga tcgacagtta tcgtcagcgt cactgccgaa ttttgcagc cctggacca 720
89 tcctcgccga ggggattgtt ccaagccttg agaattggg ggcttgagtg gcgcacctgg 780
90 gttggcatgc gtagtgctaa tcccatccgc gggcgagctg cccccgctt caaccttctc 840
91 ttaattaa 848
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 31
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Primer 111-44.1
101 <400> SEQUENCE: 4
102 aaaagcttcg gggcacctcc tggtgtcgg c 31
104 <210> SEQ ID NO: 5
105 <211> LENGTH: 34
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Primer 111-44.4
112 <400> SEQUENCE: 5
113 ggtaattaa tcacctctc cccaccccg gcac 34
115 <210> SEQ ID NO: 6
116 <211> LENGTH: 33
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Primer 90-66.1
123 <400> SEQUENCE: 6
124 gcgggaagct ttcacggcgc aggcctcgt ggg 33
126 <210> SEQ ID NO: 7

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127 <211> LENGTH: 31
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Insert 90-67
134 <400> SEQUENCE: 7
135 gcggtacctt caacaggcag gccgtctcat g 31
137 <210> SEQ ID NO: 8
138 <211> LENGTH: 32
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Insert 111-44.3
145 <400> SEQUENCE: 8
146 aaaagcttag gcggtattgc tttcgttgca ct 32
148 <210> SEQ ID NO: 9
149 <211> LENGTH: 34
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Insert 111-44.5
156 <400> SEQUENCE: 9
157 ggttaattaa ggtcagcaca cggtcggtgt gcat 34
159 <210> SEQ ID NO: 10
160 <211> LENGTH: 26
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Primer 111-44.8
167 <400> SEQUENCE: 10
168 aaagatctct cccgatgcgg gaaggc 26
170 <210> SEQ ID NO: 11
171 <211> LENGTH: 31
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Primer 111-44.9
178 <400> SEQUENCE: 11
179 ggggatccaa tggaagggga tgtccgcgga a 31
181 <210> SEQ ID NO: 12
182 <211> LENGTH: 34
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Insert 111-44.6
189 <400> SEQUENCE: 12
190 ggttaattaa catcgcgcta tcagcagcgc tgag 34
192 <210> SEQ ID NO: 13
193 <211> LENGTH: 34

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TIME: 13:55:25

Input Set : D:\30062-20078.txt

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194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Insert 111-44.7
200 <400> SEQUENCE: 13
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203 <210> SEQ ID NO: 14
204 <211> LENGTH: 31
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Primer 90-103
211 <400> SEQUENCE: 14
212 aaaaaatgca tctacctcgc tcgtggcggt t      31
214 <210> SEQ ID NO: 15
215 <211> LENGTH: 32
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Primer 90-107.1
222 <400> SEQUENCE: 15
223 cccctctag aataggtcgg cagcggtacc cg      32
225 <210> SEQ ID NO: 16
226 <211> LENGTH: 34
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Primer 90-105
233 <400> SEQUENCE: 16
234 tttttatgca tgcggcagtt tgaacggaga tgct      34
236 <210> SEQ ID NO: 17
237 <211> LENGTH: 32
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Primer 90-106
244 <400> SEQUENCE: 17
245 cccccgaatt ctcccggaag gcacacggag ac      32
247 <210> SEQ ID NO: 18
248 <211> LENGTH: 26
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Primer TL3
255 <400> SEQUENCE: 18
256 atgaattcat gatggcccgag gcagcg      26
258 <210> SEQ ID NO: 19
259 <211> LENGTH: 29
260 <212> TYPE: DNA

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Input Set : D:\30062-20078.txt

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261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Primer TL4
266 <400> SEQUENCE: 19
267 atctgcagcc agtaccgctg ccgctgcca                29
269 <210> SEQ ID NO: 20
270 <211> LENGTH: 30
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Primer TL5
277 <400> SEQUENCE: 20
278 gctctagaac ccggaactgg cgtggcctgt                30
280 <210> SEQ ID NO: 21
281 <211> LENGTH: 29
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Primer TL6
288 <400> SEQUENCE: 21
289 gcagatctac cgcgtgagga cacggcctt                29
291 <210> SEQ ID NO: 22
292 <211> LENGTH: 50
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Primer TL23
299 <400> SEQUENCE: 22
300 ggcgccggcc aagagcgccg cgccggtcgg cgggccagcc ggggacgggt    50
302 <210> SEQ ID NO: 23
303 <211> LENGTH: 58
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Primer TL24
310 <400> SEQUENCE: 23
311 ctagaccggt ccccggtggt cccgccgacc ggcgcggcgc tcttggccgg cgcctgca    58
313 <210> SEQ ID NO: 24
314 <211> LENGTH: 29
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Primer TL33
321 <400> SEQUENCE: 24
322 ggatgcatgc gcggccgaa gggctcggg                29
324 <210> SEQ ID NO: 25
325 <211> LENGTH: 30
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/957,483

DATE: 03/07/2002

TIME: 13:55:26

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